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\*LIMITED TO MATTERS  
AND PROCEEDINGS BEFORE  
FEDERAL COURTS & AGENCIES  
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\*\*\*SENIOR COUNSEL

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June 28, 2001

Commissioner for Patents  
Washington, D.C. 20231

**Box Patent Application**

Re: U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)  
Appl. No. (to be assigned); Filed: (herewith)  
For: **Balun Transformer for a Satellite Television Tuner**  
Inventors: Burns *et al.*  
Our Ref: 1875.0350001

Sir:

The following documents are forwarded herewith for appropriate action by the U.S.  
Patent and Trademark Office:

1. PTO Utility Patent Application Transmittal (Form PTO/SB/05);
2. U.S. Utility Patent Application entitled:

**Balun Transformer for a Satellite Television Tuner**

and naming as inventors:

Lawrence M. BURNS  
Carl W. POBANZ

the application consisting of:

Commissioner for Patents

June 28, 2001

Page 2

- a. A specification containing:
    - i. 19 pages of description prior to the claims;
    - ii. 6 pages of claims (34 claims);
    - iii. a one (1) page abstract;
  - b. 21 sheets of drawings: (Figures 1A-1B, 2A-2B, 3, 4A-4B, 5A-5B, 6A-6F, 7 and 8-16); and
  - c. An Application Data Sheet 37 C.F.R. § 1.76;
3. An original executed Declaration;
  4. Authorization to Treat a Reply as Incorporating an Extension of Time Under 37 C.F.R. § 1.136(a)(3) (*in duplicate*);
  5. Fee Transmittal Form (PTO/SB/17);
  6. Recordation Form Cover Sheet;
  7. An original executed Assignment from Lawrence M. Burns to Broadcom Corporation, recordation of which is hereby respectfully requested;
  - ✓ 8. An original executed Assignment from Carl W. Pobanz to Broadcom Corporation, recordation of which is hereby respectfully requested;
  9. A copy of the executed Power of Attorney from Assignee;
  10. A Certificate under 37 C.F.R. § 3.73(b) from Assignee with a copy of the Assignment attached;
  11. An Information Disclosure Statement (IDS);
  12. Form PTO-1449 (1 page) with 3 accompanying documents;
  13. Two (2) return postcards; and

Commissioner for Patents

June 28, 2001

Page 3

14. SKG&F check no. **31639** in the amount of **\$1082.00** to cover:
- \$710.00 filing fee for patent application
  - \$252.00 fee for claims in excess of twenty (20)
  - \$ 80.00 fee for claims in excess of three (3)
  - \$ 40.00 assignment recordation fee.


It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036. A duplicate copy of this letter is enclosed.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Jeff Hlvey

Jeffrey T. Helvey  
Attorney for Applicants  
Registration No. 44,757

Please type a sign (+) inside this box → 

PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR § 1.53(b))

Attorney Docket No. 1875.0350001

First Inventor Burns et al.

Title Balun Transformer for a Satellite Television Tuner

Express Mail Label No.

PTO  
09/28/01  
1875.0350001

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

## ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)

2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.

3. ☒ Specification [Total Pages 26]  
(preferred arrangement set forth below)  
- Descriptive title of the Invention  
- Cross Reference to Related Applications  
- Background of the Invention  
- Brief Summary of the Invention  
- Brief Description of the Drawings (if filed)  
- Detailed Description  
- Claim(s)  
- Abstract of the Disclosure

4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 21]

5. Oath or Declaration [Total Pages 3]

a. ☒ Newly executed (original or copy)

b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)

i. ☐ DELETION OF INVENTOR(S)

Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR §§  
1.63(d)(2) and 1.33(b).

6. ☒ Application Data Sheet. See 37 CFR 1.76.

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program  
(Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)

a. ☐ Computer Readable Form (CRF)

b. Specification Sequence Listing on:

i. ☐ CD-ROM or CD-R (2 copies); or

ii. ☐ paper

c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))

10. ☒ 37 CFR 3.73(b) Statement ☒ Power of Attorney  
(when there is an assignee)

11. ☐ English Translation Document (if applicable)

12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS  
Citations

13. ☐ Preliminary Amendment

14. ☒ Two (2) Return Receipt Postcards (MPEP 503)  
(Should be specifically itemized)

15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)

16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach  
form PTO/SB/35 or its equivalent.

17. ☒ Other: Authorization Under 37 C.F.R. § 1.136(a)(3)

☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment,  
or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-Part (CIP)

of prior application No: \_\_\_\_\_

Prior application information:

Examiner \_\_\_\_\_

Group/Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is  
considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be  
relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label

Customer No. 26111



or ☐ Correspondence address below

(Insert Customer No. (4) and Bar code label here)

NAME	STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.			
	ATTORNEYS AT LAW			
ADDRESS				
CITY	STATE	ZIP CODE		
COUNTRY	TELEPHONE	FAX		

NAME (Print/Type)	Jeffrey T. Helvey	Registration No. (Attorney/Agent)	44,757
SIGNATURE		Date	6/28/01

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FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.  
SKGF Rev 3/29/01 mac 0350001 nonprovisional transmittal

# FEE TRANSMITTAL

## for FY 2001

Patent fees are subject to annual revision.

### Complete if Known

Application Number	(to be assigned)
Filing Date	June 28, 2001
First Named Inventor	Burns et al.
Examiner Name	(to be assigned)
Group Art Unit	(to be assigned)
Attorney Docket No.	1875.0350001

TOTAL AMOUNT OF PAYMENT (\$1082.00)

### METHOD OF PAYMENT (check one)

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to:

Deposit Account Number: 19-0036  
Deposit Account Name: Sterne, Kessler, Goldstein & Fox P L.L.C.

- ☒ Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17

- ☐ Applicant claims small entity status See 37 CFR 1.27

2. ☒ Payment Enclosed:

- ☒ Check ☐ Credit card ☐ Money Order ☒ Other\*  
Charge any deficiencies or credit any overpayments in the fees or fee calculations of Parts 1, 2 and 3 below to Deposit Account No. 19-0036.

### FEE CALCULATION

#### 1. BASIC FILING FEE

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
101	710	201	355	Utility filing fee	710.00
106	320	206	160	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional filing fee	

SUBTOTAL (1) (\$) 710.00

#### 2. EXTRA CLAIM FEES

	Extra	Fee from below	Fee Paid
Total Claims 34 - 20** = 14	X 18		= 252.00
Indep. Claims 4 - 3** = 1	X 80		= 80.00
Multiple Dependent	0		= 0

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	80	202	40	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim
108	80	209	40	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 332.00

\*\* or number previously paid, if greater. For Reissues, see above

### FEE CALCULATION (continued)

#### 3. ADDITIONAL FEES

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,240	241	620	Petition to revive - unintentional	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	130	123	130	Petitions related to provisional applications	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	481	40	Recording each patent assignment per property (times number of properties)	40.00
146	710	246	355	Filing a submission after final rejection (37 CFR 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify):

Other fee (specify):

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 40.00

### SUBMITTED BY

Name (Print/Type) Jeffrey T. Helvey

Registration No. (Attorney/Agent) 44,757

### Complete (if applicable)

Telephone 202-371-2600

Signature

*Jeff T. Helvey*

Date

6/28/01

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